



EXPRESS MAIL NUMBER: EL 451 600 044 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)	Art Unit: 2814
Zagorskin)	
)	Examiner:
)	Douglas A. Wille
Serial No. 09/452,749)	
Filed: December 1, 1999)	Attorney Docket:
)	11090-003-999
)	
For: Permanent Readout Superconducting Qubit)	April 18, 2003
)	

TRANSMITTAL OF AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

An Amendment in response to the office action mailed on February 19, 2003 is enclosed.

Please send all future correspondence for this application to:

PENNIE & EDMONDS LLP
3300 Hillview Avenue
Palo Alto, CA 94304

The Commissioner is hereby authorized to charge all fees that may be required, to Deposit Account No. 16-1150 (Order No. 011090-003-999). A copy of this page is enclosed.

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AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The enclosed Amendment is in response to the February 19, 2003 Office Action for the above-identified patent application.

IN THE CLAIMS

Please change the claims as follows.

3. (Amended) The structure of claim 1, wherein the clean Josephson junction comprises a grain boundary between the bank and the island.

65. (Amended) A quantum computer comprising the quantum register of claim 64 and a readout device for detecting whether the supercurrent of each clean Josephson junction has the first magnetic moment or the second magnetic moment.